

Exhibit 1: Asserted PVP Certificates and Utility Patents That Claim The Same Plant Varieties

Order of Appearance on SAC Exhibit A or B	US PVP Certificate Number and URL	Name	Patent Number	Current Assignee/Owner	Crop Type	ATCC Deposit Number	PVP Application Date	PVP Issue Date	PVP Expiry Date	Patent Filing Date	Patent Priority Date	Patent Expiry Date (includes PTA or PTE, if applicable)	Exhibit 1 Unasserted Utility Patent?
A1	200100025 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100025.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100025.pdf</a>	7SH382	6476298	Agrigenetics, Inc. (DBA Mycogen Seeds)	Corn	ATCC-PTA-4444	10/30/2000	11/10/2004	11/10/2024	10/30/2000	10/30/2000	10/30/2020	Yes
A2	200900365 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900365.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900365.pdf</a>	PH11SP	8053652	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12035	7/15/2009	2/6/2013	2/6/2033	6/9/2009	6/9/2009	10/7/2029	Yes
A3	201000059 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000059.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000059.pdf</a>	PH11V0	8035014	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11915	12/2/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	6/9/2029	Yes
A4	200900474 <a href="http://apps.ams.usda.gov/CMS//AdobelImages/200900474.pdf">http://apps.ams.usda.gov/CMS//AdobelImages/200900474.pdf</a>	PH11V8	8872006	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11914	9/17/2009	7/30/2013	7/30/2033	6/20/2012	6/23/2009	4/26/2030	Yes
A5	200900450 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900450.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900450.pdf</a>	PH11VB	8232463	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11916	9/8/2009	7/30/2013	7/30/2033	6/23/2009	6/23/2009	9/4/2030	Yes
A6	200900428 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900428.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900428.pdf</a>	PH11YB	8217240	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12657	8/24/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	8/12/2030	Yes
A7	201000011 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000011.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000011.pdf</a>	PH11YK	8450580	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11913	10/27/2009	7/30/2013	7/30/2033	2/24/2010	6/9/2009	11/15/2029	Yes
A8	200900369 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900369.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900369.pdf</a>	PH128Z	7847167	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11340	7/15/2009	2/6/2013	2/6/2033	6/9/2009	6/9/2009	6/9/2029	Yes

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A9	200900370 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900370.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900370.pdf</a>	PH12BH	8049085	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11986	7/15/2009	2/6/2013	2/6/2033	6/9/2009	6/9/2009	9/25/2029	Yes
A10	201000012 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000012.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000012.pdf</a>	PH12BN	7820895	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11176	10/27/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	6/9/2029	Yes
A11	201000013 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000013.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000013.pdf</a>	PH12FT	8481819	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13035	10/27/2009	7/30/2013	7/30/2033	2/24/2010	6/9/2009	12/27/2029	Yes
A12	200900475 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900475.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900475.pdf</a>	PH12K5	8044282	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11977	9/17/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	6/22/2029	Yes
A13	200900371 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900371.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900371.pdf</a>	PH12K7	8158867	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11992	7/15/2009	2/6/2013	2/6/2033	6/9/2009	6/9/2009	5/5/2030	Yes
A14	200900372 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900372.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900372.pdf</a>	PH12K9	8163985	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12285	7/15/2009	2/6/2013	2/6/2033	6/9/2009	6/9/2009	4/29/2030	Yes
A15	201000337 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000337.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000337.pdf</a>	PH12KB	8247669	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12863	7/15/2009	7/30/2013	7/30/2033	5/25/2010	5/25/2010	12/26/2030	Yes
A16	201100308 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100308.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100308.pdf</a>	PH12KF	8466356	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13574	3/23/2011	6/25/2014	6/25/2034	5/25/2010	5/25/2010	9/22/2031	Yes

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A17	200900376 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900376.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900376.pdf</a>	PH12SG	8044283	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11975	7/15/2009	2/6/2013	2/6/2033	6/9/2009	6/9/2009	7/27/2928	Yes
A18	200900377 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900377.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900377.pdf</a>	PH12SK	8044284	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11981	7/15/2009	2/6/2013	2/6/2033	6/9/2009	6/9/2009	7/28/2029	Yes
A19	200900378 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900378.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900378.pdf</a>	PH12TB	7928301	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11609	7/15/2009	4/30/2013	4/30/2033	5/13/2010	6/9/2009	6/9/2029	Yes
A20	200900451 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900451.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900451.pdf</a>	PH12TJ	8044285	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11984	9/8/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	7/30/2029	Yes
A21	201000338 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000338.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000338.pdf</a>	PH12TP	8357841	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13266	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	2/15/2031	Yes
A22	200900379 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900379.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900379.pdf</a>	PH12TS	8080717	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11906	7/15/2009	6/19/2013	6/19/2033	6/9/2009	6/9/2009	6/9/2029	Yes
A23	201100309 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100309.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100309.pdf</a>	PH12W5	8476487	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13575	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	11/19/2031	Yes
A24	200900352 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900352.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900352.pdf</a>	PH134R	8487163	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13034	7/13/2009	2/6/2013	2/6/2033	2/24/2010	6/9/2009	1/3/2030	Yes

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A25	200900380 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900380.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900380.pdf</a>	PH137Z	8674196	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11908	7/15/2009	6/19/2013	6/19/2033	3/26/2012	6/9/2009	11/12/2029	Yes
A26	200900453 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900453.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900453.pdf</a>	PH13AK	7858856	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11339	9/8/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	6/9/2029	Yes
A27	200900454 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900454.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900454.pdf</a>	PH13C4	8288625	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12654	9/8/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	12/2/2030	Yes
A28	200900455 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900455.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900455.pdf</a>	PH13CH	8153867	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12286	9/8/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	5/7/2030	Yes
A29	200900354 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900354.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900354.pdf</a>	PH13HK	8278536	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13012	7/13/2009	2/6/2013	2/6/2033	6/9/2009	6/9/2009	11/29/2030	Yes
A30	201000009 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000009.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000009.pdf</a>	PH13JD	8044278	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11909	10/27/2009	7/30/2013	7/30/2033	6/4/2009	6/4/2009	7/12/2029	Yes
A31	201000350 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000350.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000350.pdf</a>	PH17BT	8232465	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12829	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	1/23/2031	Yes
A32	201000352 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000352.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000352.pdf</a>	PH17CP	8481821	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13030	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	2/26/2031	Yes

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A33	201000353 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/201000353.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/201000353.pdf</a>	PH17JT	8481823	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13033	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	2/26/2031	Yes
A34	201000379 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/201000379.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/201000379.pdf</a>	PH17P5	8481824	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13251	7/16/2010	12/19/2013	12/19/2033	5/25/2010	5/25/2010	2/27/2031	Yes
A35	201000354 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/201000354.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/201000354.pdf</a>	PH17PC	8383903	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13282	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	4/5/2031	Yes
A36	201000355 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/201000355.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/201000355.pdf</a>	PH17PK	8334442	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13031	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	1/16/2031	Yes
A37	201000356 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/201000356.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/201000356.pdf</a>	PH17R8	8252991	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12908	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	9/29/2030	Yes
A38	201000357 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/201000357.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/201000357.pdf</a>	PH17RD	8319075	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13091	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	12/29/2030	Yes
A39	201000358 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/201000358.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/201000358.pdf</a>	PH17RM	8252992	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12883	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	12/30/2030	Yes
A40	201100316 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/201100316.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/201100316.pdf</a>	PH182Y	8471097	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13577	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	11/20/2031	Yes

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A41	201000380 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201000380.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201000380.pdf</a>	PH183G	8273970	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13060	7/16/2010	12/19/2013	12/19/2033	5/25/2010	5/25/2010	12/29/2030	Yes
A42	201000359 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201000359.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201000359.pdf</a>	PH184C	8445763	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13248	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	1/13/2031	Yes
A43	201000360 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201000360.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201000360.pdf</a>	PH18DR	8445762	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13316	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	1/12/2031	Yes
A44	201200309 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200309.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200309.pdf</a>	PH18FC	8592667	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120574	5/11/2012	6/25/2014	6/25/2034	2/15/2012	2/15/2012	4/28/2032	Yes
A45	201000361 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201000361.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201000361.pdf</a>	PH18FN	8252993	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12885	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	12/30/2030	Yes
A46	201000362 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201000362.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201000362.pdf</a>	PH18G5	8304633	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13062	7/9/2010	7/30/2013	7/30/2033	5/25/2010	5/25/2010	12/26/2030	Yes
A47	201100344 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201100344.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201100344.pdf</a>	PH18HH	8563829	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13606	3/24/2011	12/19/2013	12/19/2033	3/22/2011	3/22/2011	4/19/2031	Yes
A48	201000364 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201000364.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201000364.pdf</a>	PH18JB	8237032	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12828	7/9/2010	9/30/2013	9/30/2033	5/25/2010	5/25/2010	1/18/2031	Yes

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A49	201100318 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100318.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100318.pdf</a>	PH18K6	8519243	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120185	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	11/4/2031	Yes
A50	201000366 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000366.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000366.pdf</a>	PH18KJ	8466351	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13147	7/9/2010	9/30/2013	9/30/2033	5/25/2010	5/25/2010	2/7/2031	Yes
A51	201000367 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000367.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000367.pdf</a>	PH18KN	8299340	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13009	7/9/2010	9/30/2013	9/30/2033	5/25/2010	5/25/2010	12/7/2030	Yes
A52	201300103 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300103.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300103.pdf</a>	PH18KW	8598436	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120326	1/11/2013	9/11/2014	9/11/2034	2/15/2012	2/15/2012	2/15/2032	Yes
A53	201100319 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100319.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100319.pdf</a>	PH18MB	8502045	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120280	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	9/22/2031	Yes
A54	201300326 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300326.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300326.pdf</a>	PH18RC	8916756	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121503	3/29/2013	9/11/2014	9/11/2034	2/13/2013	2/13/2013	2/13/2033	Yes
A55	201000371 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000371.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000371.pdf</a>	PH18WY	8466352	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13032	7/9/2010	9/30/2013	9/30/2033	5/25/2010	5/25/2010	2/8/2031	Yes
A56	200000242 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200000242.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200000242.pdf</a>	PH1BC	6700041	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4262	5/15/2000	1/30/2002	1/30/2022	1/24/2000	1/24/2000	1/24/2020	No

Exhibit 1: Asserted PVP Certificates and Utility Patents That Claim The Same Plant Varieties

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A57	201200310 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201200310.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201200310.pdf</a>	PH1C8P	8835724	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121348	5/11/2012	6/25/2014	6/25/2034	2/15/2012	2/15/2012	6/30/2032	Yes
A58	201100324 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100324.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100324.pdf</a>	PH1C98	8541667	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120278	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	12/23/2031	Yes
A59	201200016 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201200016.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201200016.pdf</a>	PH1CD7	8710326	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120362	10/27/2011	12/19/2013	12/19/2033	2/23/2012	3/22/2011	3/25/2032	Yes
A60	201100346 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100346.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100346.pdf</a>	PH1CJB	8558083	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120319	3/24/2011	12/19/2013	12/19/2033	3/22/2011	3/22/2011	7/13/2031	Yes
A61	201100326 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100326.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100326.pdf</a>	PH1CM7	8436238	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13317	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	10/6/2031	Yes
A62	201100327 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100327.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100327.pdf</a>	PH1CN8	8524999	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120183	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	11/20/2031	Yes
A63	201200312 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201200312.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201200312.pdf</a>	PH1CP1	8847036	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121349	5/11/2012	6/25/2014	6/25/2034	2/21/2012	2/21/2012	10/22/2032	Yes
A64	201100329 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100329.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100329.pdf</a>	PH1CY6	8507751	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120275	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	11/16/2031	Yes



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A65	201100330 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201100330.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201100330.pdf</a>	PH1D02	8507772	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120171	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	11/30/2031	Yes
A66	201100355 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201100355.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201100355.pdf</a>	PH1D03	8686244	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13597	4/4/2011	12/19/2013	12/19/2033	3/22/2011	3/22/2011	6/13/2031	Yes
A67	201100356 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201100356.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201100356.pdf</a>	PH1D0C	8759638	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120400	4/4/2011	12/19/2013	12/19/2033	2/23/2012	3/22/2011	12/2/2032	Yes
A68	201100331 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201100331.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201100331.pdf</a>	PH1D0D	8440890	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13518	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	9/18/2031	Yes
A69	201100332 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201100332.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201100332.pdf</a>	PH1D1W	8466357	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120170	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	12/12/2031	Yes
A70	201200313 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200313.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200313.pdf</a>	PH1D84	8759636	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121035	5/11/2012	6/25/2014	6/25/2034	2/21/2012	2/21/2012	11/1/2032	Yes
A71	201200314 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200314.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200314.pdf</a>	PH1D9K	8796518	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120370	5/11/2012	6/25/2014	6/25/2034	2/21/2012	2/21/2012	9/19/2032	Yes
A72	201200316 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200316.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200316.pdf</a>	PH1DB1	8686256	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120322	5/11/2012	3/11/2014	3/11/2034	2/21/2012	2/21/2012	2/21/2032	Yes

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A73	201100352 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100352.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100352.pdf</a>	PH1DB2	8581031	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13598	3/31/2011	12/19/2013	12/19/2033	2/23/2012	3/9/2011	2/23/2032	Yes
A74	201200317 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201200317.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201200317.pdf</a>	PH1DBM	8816173	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120366	5/11/2012	3/11/2014	3/11/2034	2/21/2012	2/21/2012	10/18/2032	Yes
A75	201100337 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100337.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100337.pdf</a>	PH1DGV	8450584	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13521	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	9/28/2031	Yes
A76	201100340 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100340.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100340.pdf</a>	PH1DN1	8436239	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13519	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	9/14/2031	Yes
A77	200000223 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200000223.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200000223.pdf</a>	PH1GD	6693231	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4292	4/18/2000	1/30/2002	1/30/2022	1/24/2000	1/24/2000	1/24/2020	No
A78	201400043 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201400043.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201400043.pdf</a>	PH1JYB	8692092	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120723	10/31/2013	9/11/2014	9/11/2034	2/21/2012	2/21/2012	7/17/2033	Yes
A79	201200349 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201200349.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201200349.pdf</a>	PH1K93	8716576	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120813	5/16/2012	3/11/2014	3/11/2034	2/21/2012	2/21/2012	7/22/2032	Yes
A80	201200350 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201200350.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201200350.pdf</a>	PH1KA9	8859864	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121371	5/16/2012	3/11/2014	3/11/2034	2/15/2012	2/15/2012	7/11/2032	Yes

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A81	201200169 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200169.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200169.pdf</a>	PH1KD3	8586841	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120431	6/1/2012	6/25/2014	6/25/2034	2/15/2012	2/15/2012	2/15/2032	Yes
A82	201200351 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200351.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200351.pdf</a>	PH1KFS	9006519	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121316	5/16/2012	6/25/2014	6/25/2034	2/15/2012	2/15/2012	8/10/2033	Yes
A83	201200324 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200324.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200324.pdf</a>	PH1KTF	8895819	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120356	5/11/2012	3/11/2014	3/11/2034	2/15/2012	2/15/2012	5/27/2033	Yes
A84	201200353 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200353.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200353.pdf</a>	PH1KWM	8686259	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120327	5/16/2012	6/25/2014	6/25/2034	2/21/2012	2/21/2012	2/21/2032	Yes
A85	201200354 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200354.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200354.pdf</a>	PH1KWP	8822778	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121233	5/16/2012	6/25/2014	6/25/2034	2/15/2012	2/15/2012	6/22/2032	Yes
A86	201200327 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200327.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200327.pdf</a>	PH1KYM	8692093	Pioneer Hi-Bred International, Inc.	Corn	ATC-PTA-120328	5/11/2012	3/11/2014	3/11/2034	2/21/2012	2/21/2012	2/21/2032	Yes
A87	201300324 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201300324.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201300324.pdf</a>	PH1KYY	9101102	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-122119	3/29/2013	9/11/2014	9/11/2034	2/13/2013	2/13/2013	8/7/2033	Yes
A88	201200329 <a href="https://apps.ams.usda.gov/CMS//Adobelimages/201200329.pdf">https://apps.ams.usda.gov/CMS//Adobelimages/201200329.pdf</a>	PH1M04	8642850	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120321	5/11/2012	6/25/2014	6/25/2034	2/21/2012	2/21/2012	2/21/2032	Yes

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A89	201200330 <a href="https://apps.ams.usda.gov/CMS/Adobelimages/201200330.pdf">https://apps.ams.usda.gov/CMS/Adobelimages/201200330.pdf</a>	PH1M1K	8686257	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120427	5/11/2012	3/11/2014	3/11/2034	2/21/2012	2/21/2012	2/21/2032	Yes
A90	201300102 <a href="https://apps.ams.usda.gov/CMS/Adobelimages/201300102.pdf">https://apps.ams.usda.gov/CMS/Adobelimages/201300102.pdf</a>	PH1M3D	8742231	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120949	1/11/2013	9/11/2014	9/11/2034	2/15/2012	2/15/2012	4/3/2032	Yes
A91	201200332 <a href="https://apps.ams.usda.gov/CMS/Adobelimages/201200332.pdf">https://apps.ams.usda.gov/CMS/Adobelimages/201200332.pdf</a>	PH1M5G	8686255	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120323	5/11/2012	3/11/2014	3/11/2034	2/21/2012	2/21/2012	2/21/2032	Yes
A92	201200333 <a href="https://apps.ams.usda.gov/CMS/Adobelimages/201200333.pdf">https://apps.ams.usda.gov/CMS/Adobelimages/201200333.pdf</a>	PH1M6A	8884128	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120316	5/11/2012	3/11/2014	3/11/2034	2/15/2012	2/15/2012	5/3/2033	Yes
A93	201200347 <a href="https://apps.ams.usda.gov/CMS/Adobelimages/201200347.pdf">https://apps.ams.usda.gov/CMS/Adobelimages/201200347.pdf</a>	PH1M6T	8704039	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120690	5/16/2012	3/11/2014	3/11/2034	2/21/2012	2/21/2012	2/21/2032	Yes
A94	201200335 <a href="https://apps.ams.usda.gov/CMS/Adobelimages/201200335.pdf">https://apps.ams.usda.gov/CMS/Adobelimages/201200335.pdf</a>	PH1M8G	8704055	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120736	5/11/2012	6/25/2014	6/25/2034	2/21/2012	2/21/2012	6/29/2032	Yes
A95	201200359 <a href="https://apps.ams.usda.gov/CMS/Adobelimages/201200359.pdf">https://apps.ams.usda.gov/CMS/Adobelimages/201200359.pdf</a>	PH1MB5	8809641	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120811	5/16/2012	6/25/2014	6/25/2034	2/15/2012	2/15/2012	7/22/2032	Yes
A96	201200337 <a href="https://apps.ams.usda.gov/CMS/Adobelimages/201200337.pdf">https://apps.ams.usda.gov/CMS/Adobelimages/201200337.pdf</a>	PH1MBT	8686262	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120425	5/11/2012	3/11/2014	3/11/2034	2/21/2012	2/21/2012	2/21/2032	Yes

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A97	201200340 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201200340.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201200340.pdf</a>	PH1MD0	8592666	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120432	5/11/2012	3/11/2014	3/11/2034	2/15/2012	2/15/2012	2/15/2032	Yes
A98	201400045 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201200340.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201200340.pdf</a>	PH1MDK	9313980	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-122897	10/31/2013	9/11/2014	9/11/2034	2/6/2014	2/6/2014	1/9/2034	Yes
A99	201300300 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300300.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300300.pdf</a>	PH1T61	8907158	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121505	3/29/2013	9/11/2014	9/11/2034	2/13/2013	2/13/2013	2/13/2033	Yes
A100	201300301 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300301.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300301.pdf</a>	PH1T92	9271457	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-122697	3/29/2013	9/11/2014	9/11/2034	2/19/2013	2/19/2013	10/9/2033	Yes
A101	201600252 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201600252.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201600252.pdf</a>	PH1TJA	9642328	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-123865	5/10/2016	11/29/2018	11/29/2038	3/31/2016	3/31/2016	3/31/2036	Yes
A102	201300303 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300303.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300303.pdf</a>	PH1TWW	9040787	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121976	3/29/2013	9/11/2014	9/11/2034	2/13/2013	2/13/2013	7/3/2033	Yes
A103	201300302 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300302.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300302.pdf</a>	PH1V5T	8907160	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121499	3/29/2013	9/1/2014	9/11/2034	2/13/2013	2/13/2013	2/13/2033	Yes
A104	201400047 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201400047.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201400047.pdf</a>	PH1V69	9253956	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-122439	10/31/2013	9/11/2014	9/11/2034	2/6/2014	2/13/2013	4/18/2034	Yes

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A105	201300305 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300305.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300305.pdf</a>	PH1VTJ	8829312	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121322	3/29/2013	9/11/2014	9/11/2034	2/19/2013	2/19/2013	2/19/2033	Yes
A106	201300335 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300335.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300335.pdf</a>	PH1W03	9035147	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121968	3/29/2013	9/11/2014	9/11/2034	2/13/2013	2/13/2013	6/16/2033	Yes
A107	201300333 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300333.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300333.pdf</a>	PH1W1F	8901370	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121507	3/29/2013	8/14/2015	8/14/2035	2/13/2013	2/13/2013	2/13/2033	Yes
A108	201300310 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300310.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300310.pdf</a>	PH1W4R	8829313	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121351	3/29/2013	9/11/2014	9/11/2034	2/19/2013	2/19/2013	2/19/2033	Yes
A109	201400048 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201400048.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201400048.pdf</a>	PH1W4Z	9247703	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-122441	10/31/2013	9/11/2014	9/11/2034	2/6/2014	2/13/2013	4/26/2034	Yes
A110	201300309 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201300309.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201300309.pdf</a>	PH1W5A	9018486	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-121905	3/29/2013	9/11/2014	9/11/2034	2/19/2013	2/19/2013	6/6/2033	Yes
A111	201500236 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201500236.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201500236.pdf</a>	PH24SA	9526222	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-123470	3/17/2015	7/6/2016	7/6/2036	2/17/2015	2/17/2015	2/17/2035	Yes
A112	201500248 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201500248.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201500248.pdf</a>	PH251F	9426963	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-123172	3/17/2015	11/28/2016	11/28/2036	2/17/2015	2/27/2014	2/17/2035	Yes

Exhibit 1: Asserted PVP Certificates and Utility Patents That Claim The Same Plant Varieties

Order of Appearance on SAC Exhibit A or B	US PVP Certificate Number and URL	Name	Patent Number	Current Assignee/Owner	Crop Type	ATCC Deposit Number	PVP Application Date	PVP Issue Date	PVP Expiry Date	Patent Filing Date	Patent Priority Date	Patent Expiry Date (includes PTA or PTE, if applicable)	Exhibit 1 Unasserted Utility Patent?
A113	201500249 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201500249.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201500249.pdf</a>	PH2558	9433179	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-123180	3/17/2015	11/28/2016	11/28/2036	2/17/2015	2/27/2014	2/17/2035	Yes
A114	201500253 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201500253.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201500253.pdf</a>	PH25KJ	9433178	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-123330	3/17/2015	11/28/2016	11/28/2036	2/17/2015	2/27/2014	2/17/2035	Yes
A115	201500255 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201500255.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201500255.pdf</a>	PH25RT	9549515	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-123568	3/17/2015	11/28/2016	11/28/2036	2/17/2015	2/27/2014	3/22/2035	Yes
A116	201500258 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201500258.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201500258.pdf</a>	PH25T1	9585318	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-123724	3/17/2015	11/28/2016	11/28/2036	2/17/2015	3/6/2014	4/26/2035	Yes
A117	201700139 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201700139.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201700139.pdf</a>	PH2DNP	9730416	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-124160	3/20/2017	2/19/2019	2/19/2039	3/31/2016	3/31/2016	3/31/2036	Yes
A118	201800263 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201800263.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201800263.pdf</a>	PH2RTZ	9930848	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-124593	5/11/2018	11/20/2019	11/20/2039	3/2/2017	3/2/2017	3/2/2037	Yes
A119	200200257 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200257.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200257.pdf</a>	PH3RC	6747196	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4672	9/10/2002	7/5/2006	7/5/2026	10/15/2002	1/28/2002	10/15/2022	Yes
A120	200100233 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100233.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100233.pdf</a>	PH4GP	6720487	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4430	7/26/2001	5/23/2003	5/23/2023	1/11/2001	1/11/2001	1/11/2021	Yes

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A121	200700306 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200700306.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200700306.pdf</a>	PH4RF	7569754	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-9915	5/7/2007	9/29/2010	9/29/2030	1/31/2007	1/31/2007	7/24/2027	Yes
A122	200100230 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100230.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100230.pdf</a>	PH4V6	6706954	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4524	7/26/2001	4/10/2003	4/10/2023	1/12/2001	1/12/2001	1/24/2021	Yes
A123	200000221 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200000221.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200000221.pdf</a>	PH51H	6774289	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4261	4/18/2000	1/30/2002	1/30/2022	1/24/2000	1/24/2000	1/24/2020	No
A124	200300222 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200300222.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200300222.pdf</a>	PH51K	6881881	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4876	4/24/2003	7/6/2004	7/6/2024	1/31/2003	1/31/2003	10/15/2023	Yes
A125	200200008 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200008.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200008.pdf</a>	PH54M	6730836	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4527	10/4/2001	7/1/2004	7/1/2024	1/12/2001	1/12/2001	1/12/2021	Yes
A126	200100250 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100250.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100250.pdf</a>	PH581	6717037	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4432	8/8/2001	5/23/2003	5/24/2023	1/11/2001	1/11/2001	1/11/2021	Yes
A127	200300232 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200300232.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200300232.pdf</a>	PH58C	6979764	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4873	5/1/2003	8/16/2004	8/16/2024	1/31/2003	1/31/2003	7/29/2024	Yes
A128	200300233 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200300233.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200300233.pdf</a>	PH5DP	6906251	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4872	5/1/2003	8/27/2004	8/27/2024	1/31/2003	1/31/2003	7/6/2023	Yes



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A129	200100232 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100232.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100232.pdf</a>	PH5TG	6806408	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4526	7/26/2001	5/23/2003	5/23/2023	1/12/2001	1/12/2001	10/20/2021	Yes
A130	200100244 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100244.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100244.pdf</a>	PH5W4	6717040	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4434	8/3/2001	9/12/2003	9/12/2023	1/12/2001	1/12/2001	1/12/2021	Yes
A131	200400209 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200400209.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200400209.pdf</a>	PH5WA	6974900	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-6353	5/10/2004	11/3/2006	11/3/2026	1/30/2004	1/30/2004	2/26/2024	Yes
A132	200100254 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100254.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100254.pdf</a>	PH5WB	6730834	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4435	8/8/2001	5/23/2003	5/23/2023	1/11/2001	1/11/2001	1/11/2021	Yes
A133	200200178 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200178.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200178.pdf</a>	PH6CF	6849791	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4675	6/6/2002	7/6/2004	7/6/2024	10/15/2002	1/28/2002	3/15/2023	Yes
A134	200200179 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200179.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200179.pdf</a>	PH6WA	6846976	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4677	6/6/2002	7/8/2004	7/8/2024	10/15/2002	1/28/2002	3/15/2023	Yes
A135	200100245 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100245.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100245.pdf</a>	PH6WG	6723903	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4530	8/3/2001	5/23/2003	5/23/2023	1/12/2001	1/12/2001	1/29/2021	Yes
A136	200200180 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200180.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200180.pdf</a>	PH705	6903254	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4683	6/6/2002	7/6/2004	7/6/2024	10/15/2002	1/28/2002	11/27/2023	Yes

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A137	200200181 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200181.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200181.pdf</a>	PH70R	6740798	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4680	6/6/2002	7/6/2004	7/6/2024	10/15/2002	1/28/2002	10/15/2022	Yes
A138	200300235 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200300235.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200300235.pdf</a>	PH77P	6967267	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4868	5/1/2003	8/19/2004	8/19/2024	1/31/2003	1/31/2003	4/29/2024	Yes
A139	200200183 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200183.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200183.pdf</a>	PH7AB	6777599	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4678	6/6/2002	7/6/2004	7/6/2024	10/15/2002	1/28/2002	1/24/2023	Yes
A140	200200184 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200184.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200184.pdf</a>	PH7BW	6872873	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4679	6/6/2002	7/6/2004	7/6/2024	10/15/2002	1/28/2002	9/19/2023	Yes
A141	200100231 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100231.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100231.pdf</a>	PH7CH	6730835	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4438	7/26/2001	4/10/2003	4/10/2023	1/11/2001	1/11/2001	1/11/2021	Yes
A142	200100247 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200100247.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200100247.pdf</a>	PH7CP	6723902	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4439	8/3/2001	5/23/2003	5/23/2023	1/11/2001	1/11/2001	1/11/2021	Yes
A143	200300236 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200300236.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200300236.pdf</a>	PH87P	6888051	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4879	5/1/2003	8/19/2004	8/19/2024	1/31/2003	1/31/2003	9/20/2023	Yes
A144	200300224 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200300224.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200300224.pdf</a>	PH890	6872874	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4870	4/24/2003	7/6/2004	7/6/2024	1/31/2003	1/31/2003	9/20/2023	Yes

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A145	200200187 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200187.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200187.pdf</a>	PH8CW	6784349	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4684	6/6/2002	7/1/2004	7/1/2024	10/15/2002	1/28/2002	1/19/2023	Yes
A146	200400191 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200400191.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200400191.pdf</a>	PH8JR	6967269	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-6357	4/28/2004	6/9/2006	6/9/2026	1/30/2004	1/30/2004	3/7/2024	Yes
A147	200600196 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200600196.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200600196.pdf</a>	PH8JV	7227064	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7761	4/27/2006	7/9/2009	7/9/2029	1/31/2006	1/31/2006	1/31/2026	Yes
A148	200200189 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200200189.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200200189.pdf</a>	PH8KG	6897361	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4686	6/6/2002	7/6/2004	7/6/2024	10/15/2002	1/28/2002	4/21/2023	Yes
A149	200600197 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200600197.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200600197.pdf</a>	PH8T0	7317152	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7757	4/27/2006	7/9/2009	7/9/2029	1/31/2006	1/31/2006	1/31/2026	Yes
A150	200800013 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800013.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800013.pdf</a>	PH93G	7687687	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7587	10/25/2007	7/16/2012	7/16/2032	10/31/2007	12/15/2006	2/6/2028	Yes
A151	200700386 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200700386.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200700386.pdf</a>	PHA9B	7777106	Pioneer Hi-Bred International, Inc.	Corn	ATC-PTA-7592	7/25/2007	11/10/2010	11/10/2030	10/29/2007	12/15/2006	5/7/2028	Yes
A152	200400196 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200400196.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200400196.pdf</a>	PHACE	6958438	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-6341	4/28/2004	6/9/2006	6/9/2026	1/30/2004	1/30/2004	2/8/2024	Yes

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A153	200500223 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500223.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500223.pdf</a>	PHADA	7087822	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7057	4/25/2005	11/23/2007	11/23/2027	1/31/2005	1/31/2005	2/8/2025	Yes
A154	200400198 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200400198.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200400198.pdf</a>	PHAJE	7087820	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-6343	5/4/2004	6/9/2006	6/9/2026	1/30/2004	1/30/2004	11/21/2024	Yes
A155	200600233 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200600233.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200600233.pdf</a>	PHANF	7317151	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7771	7/12/2006	7/9/2009	7/9/2029	1/31/2006	1/31/2006	1/31/2026	Yes
A156	200400201 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200400201.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200400201.pdf</a>	PHB1V	6969790	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-6349	5/4/2004	11/3/2006	11/3/2026	1/30/2004	1/30/2004	2/21/2024	Yes
A157	200500255 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500255.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500255.pdf</a>	PHB8V	7361812	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7027	5/17/2005	11/29/2007	11/29/2027	1/31/2005	1/31/2005	5/24/2025	Yes
A158	200300240 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200300240.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200300240.pdf</a>	PHBAB	6969788	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-4878	5/1/2003	8/19/2004	8/19/2024	1/31/2003	1/31/2003	5/7/2024	Yes
A159	200500256 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500256.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500256.pdf</a>	PHC77	7355105	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7028	5/17/2005	11/23/2007	11/23/2027	1/31/2005	1/31/2005	7/10/2025	Yes
A160	200600216 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200600216.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200600216.pdf</a>	PHC78	7332660	Pioneer Hi-Bred International, Inc.	Corn	ATC-PTA-7770	5/19/2006	8/26/2009	8/26/2029	1/31/2006	1/31/2006	1/31/2026	Yes

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Order of Appearance on SAC Exhibit A or B	US PVP Certificate Number and URL	Name	Patent Number	Current Assignee/Owner	Crop Type	ATCC Deposit Number	PVP Application Date	PVP Issue Date	PVP Expiry Date	Patent Filing Date	Patent Priority Date	Patent Expiry Date (includes PTA or PTE, if applicable)	Exhibit 1 Unasserted Utility Patent?
A161	200500224 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500224.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500224.pdf</a>	PHCA5	7332658	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7029	4/25/2005	11/23/2007	11/23/2027	1/31/2005	1/31/2005	4/10/2025	Yes
A162	200500226 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500226.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500226.pdf</a>	PHCCW	7375263	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7031	4/25/2005	7/30/2008	7/30/2028	1/31/2005	1/31/2005	4/30/2025	Yes
A163	200500257 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500257.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500257.pdf</a>	PHCER	7164070	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7033	5/17/2005	11/23/2007	11/23/2027	1/31/2005	1/31/2005	1/31/2025	Yes
A164	200900198 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900198.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900198.pdf</a>	PHCGM	8044275	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7527	2/25/2009	2/6/2013	2/6/2033	10/14/2008	10/22/2007	4/26/2029	Yes
A165	200700307 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200700307.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200700307.pdf</a>	PHCHP	7511205	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7590	5/7/2007	11/10/2010	11/10/2030	1/31/2007	1/31/2007	2/14/2027	Yes
A166	200500228 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500228.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500228.pdf</a>	PHCJP	7193144	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7034	4/25/2005	11/23/2007	11/23/2027	1/31/2005	1/31/2005	2/2/2025	Yes
A167	200500230 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500230.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500230.pdf</a>	PHCND	7078601	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7053	4/25/2005	11/29/2007	11/29/2027	1/31/2005	1/31/2005	1/31/2025	Yes
A168	200500231 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500231.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500231.pdf</a>	PHCPR	7312385	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7055	4/25/2005	11/23/2007	11/23/2027	1/31/2005	1/31/2005	9/26/2025	Yes

Exhibit 1: Asserted PVP Certificates and Utility Patents That Claim The Same Plant Varieties

Order of Appearance on SAC Exhibit A or B	US PVP Certificate Number and URL	Name	Patent Number	Current Assignee/Owner	Crop Type	ATCC Deposit Number	PVP Application Date	PVP Issue Date	PVP Expiry Date	Patent Filing Date	Patent Priority Date	Patent Expiry Date (includes PTA or PTE, if applicable)	Exhibit 1 Unasserted Utility Patent?
A169	200400215 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200400215.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200400215.pdf</a>	PHCWK	6949699	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-6350	5/10/2004	6/9/2006	6/9/2026	1/30/2004	1/30/2004	7/2/2024	Yes
A170	200400228 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200400228.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200400228.pdf</a>	PHD90	7071394	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-6352	5/25/2004	6/9/2006	6/9/2026	1/30/2004	1/30/2004	8/21/2024	Yes
A171	200700308 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200700308.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200700308.pdf</a>	PHE3D	7595436	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7508	5/7/2007	4/18/2011	4/18/2031	1/31/2007	1/31/2007	9/6/2027	Yes
A172	200700309 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200700309.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200700309.pdf</a>	PHE4N	7569753	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7510	5/7/2007	9/29/2010	9/29/2030	1/31/2007	1/31/2007	9/4/2027	Yes
A173	200800380 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800380.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800380.pdf</a>	PHECH	8053645	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12033	8/27/2008	7/30/2013	7/30/2033	4/15/2008	4/15/2008	7/3/2029	Yes
A174	200600199 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200600199.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200600199.pdf</a>	PHEDR	7317147	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7754	4/27/2006	8/26/2009	8/26/2029	1/31/2006	1/31/2006	1/31/2026	Yes
A175	200500258 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200500258.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200500258.pdf</a>	PHEHG	7273973	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7054	5/17/2005	11/23/2007	11/23/2027	1/31/2005	1/31/2005	9/21/2025	Yes
A176	200600210 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200600210.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200600210.pdf</a>	PHEJW	7335824	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7767	5/12/2006	8/26/2009	8/26/2029	1/31/2006	1/31/2006	1/31/2026	Yes

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A177	200900100 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900100.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900100.pdf</a>	PHEKJ	8247663	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12868	1/13/2009	6/19/2013	6/19/2033	3/8/2010	4/15/2008	9/4/2028	Yes
A178	200600222 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200600222.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200600222.pdf</a>	PHENE	7304222	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7755	5/19/2006	8/26/2009	8/26/2029	1/31/2006	1/31/2006	1/31/2026	Yes
A179	200800335 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800335.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800335.pdf</a>	PHETG	8492624	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120167	7/30/2008	2/20/2013	2/20/2033	3/14/2012	4/15/2008	4/15/2028	Yes
A180	200700314 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200700314.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200700314.pdf</a>	PHEWB	7439425	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7514	5/7/2007	9/29/2010	9/29/2030	1/31/2007	1/31/2007	3/6/2027	Yes
A181	200600234 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200600234.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200600234.pdf</a>	PHEWW	7332659	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7772	7/12/2006	7/9/2009	7/9/2029	1/31/2006	1/31/2006	1/31/2026	Yes
A182	200800243 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800243.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800243.pdf</a>	PHF0D	7820892	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11056	5/7/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	4/15/2028	Yes
A183	200600230 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200600230.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200600230.pdf</a>	PHF1J	7335825	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-7773	6/19/2006	7/9/2009	7/9/2029	1/31/2006	1/31/2006	1/31/2026	Yes
A184	200800287 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800287.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800287.pdf</a>	PHF3D	7576271	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-9945	6/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	4/15/2028	Yes

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A185	200900382 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900382.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900382.pdf</a>	PHF5G	8324472	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13094	7/15/2009	6/19/2013	6/19/2033	1/14/2010	2/16/2009	11/18/2030	Yes
A186	200800336 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800336.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800336.pdf</a>	PHF5H	7576270	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-9936	7/30/2008	2/20/2013	2/20/2033	4/15/2008	4/15/2008	4/15/2028	Yes
A187	200800337 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800337.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800337.pdf</a>	PHGJ4	7994403	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11057	7/30/2008	2/20/2013	2/20/2033	4/15/2008	4/15/2008	8/24/2028	Yes
A188	200800338 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800338.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800338.pdf</a>	PHGMA	7820893	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11179	7/30/2008	2/20/2013	2/20/2033	4/15/2008	4/15/2008	4/17/2028	Yes
A189	200700315 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200700315.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200700315.pdf</a>	PHH5G	7528307	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-9710	5/7/2007	9/29/2010	9/29/2030	1/31/2007	1/31/2007	5/9/2027	Yes
A190	200700316 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200700316.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200700316.pdf</a>	PHH9H	7528308	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-9711	5/7/2007	11/10/2010	11/10/2030	1/31/2007	1/31/2007	5/13/2027	Yes
A191	200900206 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900206.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900206.pdf</a>	PHHEB	7872180	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11382	2/25/2009	2/6/2013	2/6/2033	10/16/2008	10/30/2007	12/19/2028	Yes
A192	200900208 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900208.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900208.pdf</a>	PHHHD	8367900	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13281	2/25/2009	2/6/2013	2/6/2033	2/10/2010	10/16/2008	8/28/2029	Yes



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A193	200700360 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200700360.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200700360.pdf</a>	PHHHN	7582815	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-9969	6/21/2007	9/29/2010	9/29/2030	1/31/2007	1/31/2007	9/2/2027	Yes
A194	200800290 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800290.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800290.pdf</a>	PHHMD	7586027	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-9996	6/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	4/15/2028	Yes
A195	200900477 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900477.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900477.pdf</a>	PHJOB	8035013	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11982	9/17/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	7/11/2029	Yes
A196	200800237 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800237.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800237.pdf</a>	PHJ8C	7612265	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-10203	5/1/2008	7/16/2012	7/16/2032	4/15/2008	4/15/2008	4/15/2028	Yes
A197	200900478 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900478.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900478.pdf</a>	PHJBB	8173878	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-124593	9/17/2009	7/30/2013	7/30/2033	6/23/2009	6/23/2009	5/21/2030	Yes
A198	200800238 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800238.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800238.pdf</a>	PHNAR	7989685	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11793	5/1/2008	7/16/2012	7/16/2032	3/8/2010	4/15/2008	3/8/2030	Yes
A199	200800247 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800247.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800247.pdf</a>	PHNTV	7732683	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-10572	5/7/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	4/15/2028	Yes
A200	200800343 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800343.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800343.pdf</a>	PHNWJ	7572963	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-9934	7/30/2008	4/30/2013	4/30/2033	4/15/2008	4/15/2008	4/15/2028	Yes

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A201	200800249 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800249.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800249.pdf</a>	PHPAR	8049080	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12009	5/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	6/9/2029	Yes
A202	200800293 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800293.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800293.pdf</a>	PHPCW	7767889	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-10769	6/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	6/20/2028	Yes
A203	200800345 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800345.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800345.pdf</a>	PHPGH	7923610	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11571	7/30/2008	4/30/2013	4/30/2033	4/15/2008	4/15/2008	10/11/2028	Yes
A204	201000372 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000372.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000372.pdf</a>	PHR0D	8324478	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13090	7/9/2010	12/19/2013	12/19/2033	5/25/2010	5/25/2010	12/25/2030	Yes
A205	200800295 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800295.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800295.pdf</a>	PHR1J	7935873	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11611	6/9/2008	1/18/2013	1/18/2033	10/15/2009	4/15/2008	4/15/2028	Yes
A206	200800347 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800347.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800347.pdf</a>	PHR1R	7586028	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-99971	7/30/2008	4/30/2013	4/30/2033	4/15/2008	4/15/2008	4/15/2028	Yes
A207	200800349 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800349.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800349.pdf</a>	PHRDW	7790969	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-10912	7/30/2008	4/30/2013	4/30/2033	4/15/2008	4/15/2008	6/7/2028	Yes
A208	200800297 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800297.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800297.pdf</a>	PHRJB	7737341	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-10659	6/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	4/15/2028	Yes

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A209	200800254 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800254.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800254.pdf</a>	PHTEF	8053646	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12034	5/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	6/15/2029	Yes
A210	200800255 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800255.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800255.pdf</a>	PHTFE	8026426	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11985	5/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	3/12/2029	Yes
A211	200900358 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900358.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900358.pdf</a>	PHV6T	8222497	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12655	7/13/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	8/25/2030	Yes
A212	200800260 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800260.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800260.pdf</a>	PHV92	8148615	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12176	5/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	11/2/2029	Yes
A213	200900359 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900359.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900359.pdf</a>	PHV9Z	8101837	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11342	7/13/2009	2/6/2013	2/6/2033	6/9/2009	6/9/2009	10/25/2029	Yes
A214	200800262 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800262.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800262.pdf</a>	PHVNV	8237035	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12869	5/9/2008	1/18/2013	1/18/2033	6/22/2011	4/15/2008	4/15/2028	Yes
A215	200900392 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900392.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900392.pdf</a>	PHVRZ	8003868	Pioneer Hi-Bred International, Inc.	Corn	ATC-PTA-11865	7/15/2009	4/30/2013	4/30/2033	5/13/2010	6/9/2009	7/9/2029	Yes
A216	200800263 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800263.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800263.pdf</a>	PHW0V	7745705	Pioneer Hi-Bred International, Inc.	Corn	ATC-PTA-10660	5/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	4/15/2028	Yes

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A217	200800298 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800298.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800298.pdf</a>	PHW1W	8222500	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12717	6/9/2008	1/18/2033	1/18/2033	3/8/2010	4/15/2008	4/15/2028	Yes
A218	201100357 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100357.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100357.pdf</a>	PHW2P	8575457	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-120330	4/4/2011	12/19/2013	12/19/2033	3/22/2011	3/22/2011	7/13/2031	Yes
A219	200800265 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800265.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800265.pdf</a>	PHW2Z	7932447	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11607	5/9/2008	1/18/2013	1/18/2033	10/15/2009	4/15/2008	4/15/2028	Yes
A220	200800378 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800378.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800378.pdf</a>	PHW4C	7777107	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-10770	8/26/2008	7/30/2013	7/30/2033	4/15/2008	4/15/2008	6/20/2028	Yes
A221	200900432 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900432.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900432.pdf</a>	PHW6G	8058524	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11991	8/24/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	3/31/2030	Yes
A222	200900480 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900480.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900480.pdf</a>	PHWCY	8003867	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11882	9/17/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	6/19/2029	Yes
A223	200900433 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900433.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900433.pdf</a>	PHWDM	7884270	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11383	8/24/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	6/9/2029	Yes
A224	201100342 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201100342.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201100342.pdf</a>	PHWJH	8440889	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-13337	3/23/2011	12/19/2013	12/19/2033	3/9/2011	3/9/2011	4/4/2031	Yes

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A225	200800379 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800379.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800379.pdf</a>	PHWNJ	8258380	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-10563	8/26/2008	9/30/20136	9/30/2033	3/17/2010	4/15/2008	12/24/2028	Yes
A226	200900484 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900484.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900484.pdf</a>	PHWNS	8163986	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12453	9/22/2009	12/19/2013	12/19/2033	6/9/2009	6/9/2009	5/7/2030	Yes
A227	200800353 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800353.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800353.pdf</a>	PHWPD	8026427	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11978	7/30/2008	6/19/2013	6/19/2033	4/15/2008	4/15/2008	4/21/2029	Yes
A228	200800354 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800354.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800354.pdf</a>	PHWRW	7897852	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11439	7/30/2008	6/19/2013	6/19/2033	4/15/2008	4/15/2008	10/12/2028	Yes
A229	200800392 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200800392.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200800392.pdf</a>	PHWSF	7619149	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-10206	9/12/2008	7/30/2013	7/30/2033	4/15/2008	4/15/2008	4/15/2028	Yes
A230	9700229 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/009700229.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/009700229.pdf</a>	PH79A	5866767	Pioneer Hi-Bred International, Inc.	Corn	ATCC-209913	3/10/1997	1/30/2001	1/30/2021	1/29/1997	1/29/1997	1/29/2017	No
A231	201000014 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/201000014.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/201000014.pdf</a>	PH13H3	8058525	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11990	10/27/2009	7/30/2013	7/30/2033	6/9/2009	6/9/2009	3/29/2030	Yes
A232	200900381 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/200900381.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/200900381.pdf</a>	PH13KD	7842864	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11341	7/15/2009	4/30/2013	4/30/2033	6/9/2009	6/9/2009	6/9/2029	Yes

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A233	200800269 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/200800269.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/200800269.pdf</a>	PHWMK	7902437	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-11433	5/9/2008	1/18/2013	1/18/2033	3/8/2010	4/15/2008	4/15/2028	Yes
A234	200800256 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/200800256.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/200800256.pdf</a>	PHV4M	8053644	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12030	5/9/2008	1/18/2013	1/18/2033	4/15/2008	4/15/2008	3/16/2029	Yes
A235	200800350 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/200800350.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/200800350.pdf</a>	PHV5W	8598427	Pioneer Hi-Bred International, Inc.	Corn	ATCC-PTA-12287	7/30/2008	7/30/2013	7/30/2033	4/15/2008	4/15/2008	10/14/2029	Yes
B1	200000224 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/200000224.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/200000224.pdf</a>	PH50P	6313381	Pioneer Hi Bred International Inc.	Corn	PTA-3504	4/18/2000	1/30/2002	1/30/2022	1/24/2000	1/24/2000	1/24/2020	No
B2	200000207 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/200000207.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/200000207.pdf</a>	PH3DT	6316703	Pioneer Hi Bred International Inc.	Corn	PTA-3501	4/10/2000	7/19/2002	7/19/2022	1/24/2000	1/24/2000	1/24/2020	No
B3	200200009 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/200200009.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/200200009.pdf</a>	PH5HK	6717039	Pioneer Hi Bred International Inc.	Corn	PTA-4433	10/4/2001	7/1/2004	7/1/2004	1/12/2001	1/12/2001	1/12/2021	No
B4	9800384 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/009800384.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/009800384.pdf</a>	PH12C	6121520	Pioneer Hi Bred International Inc.	Corn	203625	9/8/1998	6/14/2001	6/14/2021	3/10/1998	3/10/1998	3/10/2018	No
B5	9900364 <a href="https://apps.ams.usda.gov/CMS/AdobelImages/009900364.pdf">https://apps.ams.usda.gov/CMS/AdobelImages/009900364.pdf</a>	PH2VJ	6127609	Pioneer Hi Bred International Inc.	Corn	PTA-1831	7/19/1999	9/12/2001	9/12/2021	2/24/1999	2/24/1999	2/24/2019	No

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B6	9900363 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/009900363.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/009900363.pdf</a>	PH2VK	6137036	Pioneer Hi Bred International Inc.	Corn	PTA-1610	7/19/1999	9/12/2001	9/12/2021	2/25/1999	2/25/1999	2/25/2019	No
B7	9900383 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/009900383.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/009900383.pdf</a>	PH226	6124535	Pioneer Hi Bred International Inc.	Corn	PTA-1712	8/6/1999	11/6/2001	11/6/2021	2/26/1999	2/26/1999	2/26/2019	No
B8	9900382 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/009900382.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/009900382.pdf</a>	PH2MW	6124532	Pioneer Hi Bred International Inc.	Corn	PTA-1711	8/6/1999	11/6/2001	11/6/2021	2/26/1999	2/26/1999	2/26/2019	No
B9	9900379 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/009900379.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/009900379.pdf</a>	PH2N0	6124533	Pioneer Hi Bred International Inc.	Corn	PTA-1709	8/6/1999	11/6/2001	11/6/2021	2/26/1999	2/26/1999	2/26/2019	No
B10	9700210 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/009700210.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/009700210.pdf</a>	PH05F	5608139	Pioneer Hi Bred International Inc.	Corn	97660	3/10/1997	2/5/2001	2/5/2021	9/1/1995	9/1/1995	9/1/2015	No
B11	9700212 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/009700212.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/009700212.pdf</a>	PH05W	5750849	Pioneer Hi Bred International Inc.	Corn	209518	3/10/1997	2/5/2001	2/5/2021	11/14/1996	9/1/1995	9/1/2015	No
B12	9800320 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/009800320.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/009800320.pdf</a>	PH185	5942671	Pioneer Hi Bred International Inc.	Corn	203795	6/12/1998	1/30/2001	1/30/2021	3/10/1998	3/10/1998	3/10/2018	No
B13	9700209 <a href="https://apps.ams.usda.gov/CMS//AdobelImages/009700209.pdf">https://apps.ams.usda.gov/CMS//AdobelImages/009700209.pdf</a>	PH04G	6140562	Pioneer Hi Bred International Inc.	Corn	PTA-608	3/10/1997	10/27/2000	10/27/2020	3/10/1998	3/10/1998	3/10/2018	No